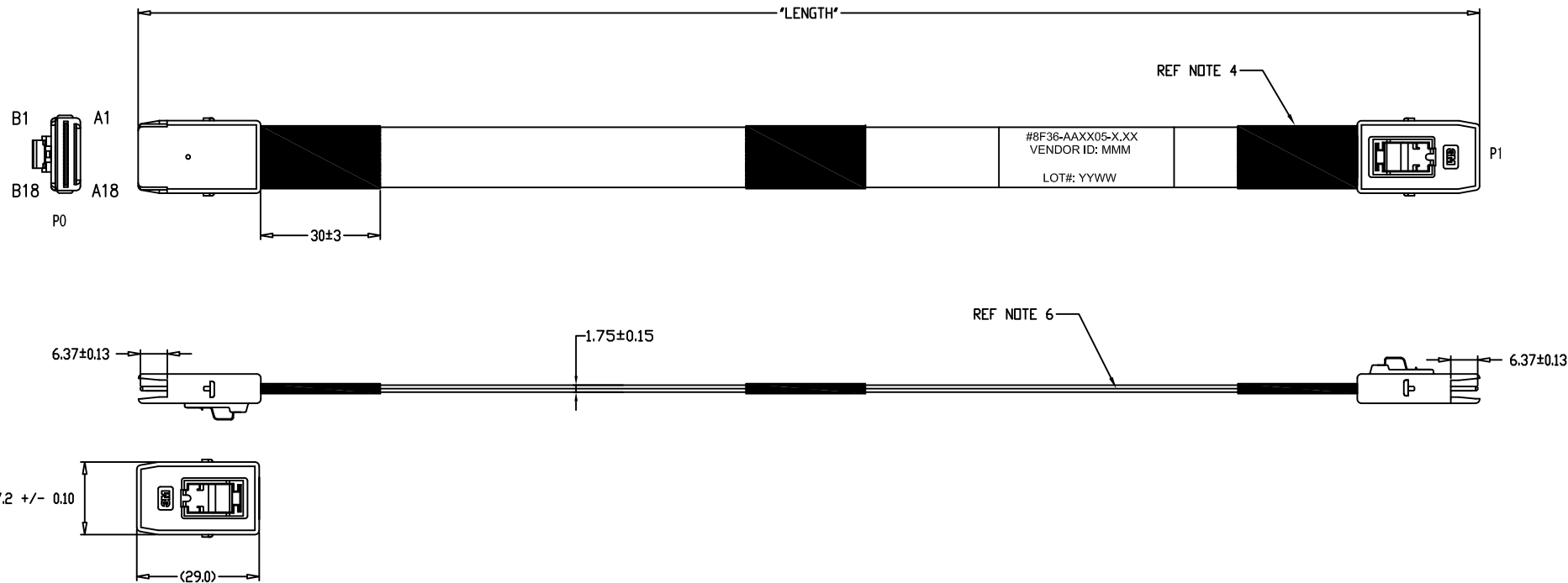


3M™ HIGH ROUTABILITY INTERNAL MINISAS CABLE ASSEMBLY, 8F36 SERIES

REVISION RECORD				
REV	ECO	DESCRIPTION	DRFT	CHKD
A	30167	RELEASED 8/9/10	ML	ML



8 F 36 - AA X X 05 - X.XX

LENGTH IN METERS

PINOUT (SEE PINOUTS ON SHEET 2)

- CABLE USED
- A 4-LANE WITH SIDEBANDS, SN-PLATED SIGNAL, CABLE P/N SL8801/12-111A5-00
 - B 4-LANE WITH SIDEBANDS, AG-PLATED SIGNAL, CABLE P/N SL8801/12-101A5-00
 - C 4-LANE (NO SIDEBANDS), SN-PLATED SIGNAL, CABLE P/N SL8802/08-211N5-00
 - D 4-LANE (NO SIDEBANDS), AG-PLATED SIGNAL, CABLE P/N SL8802/08-201N5-00

1. ROHS COMPLIANT. SEE REGULATORY INFORMATION APPENDIX IN "ROHS COMPLIANCE" SECTION AT WWW.3M.COM/INTERCONNECT (E1 & C1 APPLY)
2. PADDLECARD PLATING: 30u" MIN. GOLD PLATING
50u" MIN. NICKEL UNDERPLATING
3. MINISAS CABLE PLUG DIMENSIONS SHALL CONFORM WITH SFF-8086 AND SFF-8087 STANDARDS.
4. CLOTH TAPE WRAPPED AROUND CABLE RIBBONS AT BACK OF EACH CONNECTOR. ALSO, UP TO 2 ADDITIONAL TAPE PIECES WILL BE WRAPPED AROUND THE TWO CABLE RIBBONS SPACED EQUIDISTANT FROM THE CONNECTOR ENDS, AND EACH OTHER, DEPENDING ON ASSY LENGTH (L):
L <= 0.2 M NO ADDITIONAL TAPE
0.2 M < L <= 0.6 M 1 TAPE WRAP
0.6 M < L <= 1.0 M 2 TAPE WRAPS
5. PRODUCT SPECIFICATION: #PS-0082
6. TWO RIBBONS OF 3M RIBBON TWIN AXIAL CABLE
7. THIS UNIQUE CABLE CONSTRUCTION HAS A THIN ALUMINUM INNER LAYER EXPOSED AT EACH EDGE. USERS SHOULD ASSESS WHETHER THE EXPOSED EDGE PRESENTS A SHORTING RISK IN THEIR SPECIFIC APPLICATION. INSULATING TAPE MAY BE APPLIED AT THE CABLE ASSEMBLY LEVEL, AS NEEDED, TO COVER THIS EXPOSED EDGE IN RISK AREAS.

DESIGN REF		NEXT ASSY XX-XXXX-XXXX-X		NOTES				
DETACHED LISTS	SCALE: X		DFTG M LAMBERT	DATE 6/25/10	3M Austin Center Austin, Texas 78726	DIVISION ELECTRONIC SOLUTIONS		MODEL
	TOLERANCES EXCEPT AS NOTED		CHKD	DATE		DIVISION CODE		
	mm .0 ± .00 ± .000± INCHES .00 ± .000 ± .0000±		MFG	DATE	TITLE CUSTOMER DWG. CABLE ASSEMBLY, INTERNAL 36P MINISAS RIBBON TWIN AXIAL			
			APPVL	DATE				
	ANGLES ± X°		THIS DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY TO 3M COMPANY. NO REPRODUCTION OR PUBLICATION OF THIS DOCUMENT, IN WHOLE OR IN PART, SHALL BE MADE WITHOUT AUTHORIZATION FROM 3M.			FSCM NO. SIZE DRAWING NO. REV C 78-5100-2363-9 A		
	MATERIAL XXX		INTERPRET PER ANSI Y14.5M-1982					
	FINISH XXX		THIRD ANGLE PROJECTION					

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3M™ HIGH ROUTABILITY INTERNAL MINISAS CABLE ASSEMBLY, 8F36 SERIES

REV

ECO

DESCRIPTION

DRFT

CHKD

A30167RELEASED 8/9/10MLML

PINOUT 1

BACKPLANE-TO-CONTROLLER

P1		P2	
A1	GND	B1	GND
A2	Rx 0+	B2	Tx 0+
A3	Rx 0-	B3	Tx 0-
A4	GND	B4	GND
A5	Rx 1+	B5	Tx 1+
A6	Rx 1-	B6	Tx 1-
A7	GND	B7	GND
A8	SIDEBAND	B8	SIDEBAND
A9	SIDEBAND	B9	SIDEBAND
A10	SIDEBAND	B10	SIDEBAND
A11	SIDEBAND	B11	SIDEBAND
A12	GND	B12	GND
A13	Rx 2+	B13	Tx 2+
A14	Rx 2-	B14	Tx 2-
A15	GND	B15	GND
A16	Rx 3+	B16	Tx 3+
A17	Rx 3-	B17	Tx 3-
A18	GND	B18	GND

Note:
1. A1, A4, A7, A12, A15, A18, B1, B4, B7, B12, B15, AND B18
ARE ALL REFERENCE GROUNDS AND ARE SHORTED TOGETHER
THROUGH THE PADDLECARD GROUND PLANES

PINOUT 3

BACKPLANE-TO-CONTROLLER (NO SIDEBANDS)

P1		P2	
A1	GND	B1	GND
A2	Rx 0+	B2	Tx 0+
A3	Rx 0-	B3	Tx 0-
A4	GND	B4	GND
A5	Rx 1+	B5	Tx 1+
A6	Rx 1-	B6	Tx 1-
A7	GND	B7	GND
A12	GND	B12	GND
A13	Rx 2+	B13	Tx 2+
A14	Rx 2-	B14	Tx 2-
A15	GND	B15	GND
A16	Rx 3+	B16	Tx 3+
A17	Rx 3-	B17	Tx 3-
A18	GND	B18	GND

Note:
1. A1, A4, A7, A12, A15, A18, B1, B4, B7, B12, B15, AND B18
ARE ALL REFERENCE GROUNDS AND ARE SHORTED TOGETHER
THROUGH THE PADDLECARD GROUND PLANES
2. A8-A11 AND B8-B11
HAVE NO CONNECTIONS TO CABLE

(30)

#8F36-AAXX05-X.XX

VENDOR ID:MMM

LOT#:YYWW

(6)

(18)

(40)

DETACHED LISTS

SCALE: X

TOLERANCES EXCEPT AS NOTED

.0 ± mm

.00 ±

.000 ±

.000 ±

ANGLES ± X°

MATERIAL XXX

FINISH XXX

DFTG M LAMBERT

CHKD

DATE 8/9/10

DATE

DATE

DATE

DATE

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INTERPRET PER ANSI Y14.5M-1982

THIRD ANGLE PROJECTION

3M Austin Center Austin, Texas 78726

DIVISION ELECTRONIC SOLUTIONS

DIVISION CODE

MODEL

TITLE CUSTOMER DWG. CABLE ASSEMBLY, INTERNAL 36P MINISAS RIBBON TWIN AXIAL

FSCM NO.

SIZE C

DRAWING NO. 78-5100-2363-9

REV A

DO NOT SCALE DRAWING

DET LISTS ☐ YES ☒ NO

SHT 2 OF 2

Visit <http://www.3Mconnector.com>

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DRAWING NO. 78-5100-2363-9